

# COMPTEK, Compressor, HALQD91HHR, HQD91H, 1/4 hp++, 1/3 hp-, m/hbp, 250 w, 8.8 cm3, r134a

Category: expertise

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## Technical Data

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## R22 L/MBP (220V-240V/50Hz) Application

Model	Compressor Model	Displ. (cm3)	Power HP	Capacity(W)											COP W/W	
				54.4	130	Condensing	Temp.	-35	-30	-25	-23.3	-20	-15	-10	-6.7	-5
LUCT-M030E	MAMQD30EHY	3.00	1/8	76	85	117	129	161	181	245	258	284	310	1.25	1.75	
LUCT-M035E	MAMQD35EHY	3.50	1/6	89	99	137	151	188	211	286	301	331	361	1.25	1.75	
LUCT-M043E	MAFQD43EHY	4.30	1/5	109	122	168	185	231	259	351	370	407	444	1.2	1.7	
LUCT-M052E	MAFQD52EHY	4.90	1/5	124	139	192	211	263	295	400	421	464	506	1.2	1.7	
LUCT-M059E	MALQD59EHM	5.50	1/5+	140	156	215	237	296	331	449	473	520	568	1.25	1.75	
LUCT-M065E	MALQD65EHM	6.20	1/4	157	176	243	267	333	373	507	533	587	640	1.23	1.7	
LUCT-M075E	MALQD75EHM	7.20	1/4+	183	204	282	310	387	433	588	619	681	743	1.23	1.7	
LUCT-M091E	MAQQD91EHM	8.80	3/8	202	227	312	343	429	480	652	686	755	824	1.2	1.7	
LUCT-M110E	MAQQD110EHM	10.60	3/8+	219	245	338	371	464	519	705	742	816	890	1.2	1.7	
LUCT-M128E	MATQD128EHM	12.12	9/16	250	280	386	424	530	594	806	848	933	1018	1.24	1.7	
LUCT-M158E	MATQD158EHM	14.50	5/8	299	335	462	508	634	711	964	1015	1117	1218	1.18	1.68	

LUCT-M168E MATQD168EHM	16.80	3/4	347	388	535	588	735	823	1117	1176	1294	1411	1.26	1.72
LUCT-M180E MATQD180EHM	17.40	3/4	359	402	554	609	761	853	1157	1218	1340	1462	1.24	1.74
LUCT-M210E MATQD210EHM	20.40	3/4	421	471	650	714	893	1000	1357	1428	1571	1714	1.34	1.8

### R134a L/MBP (220V-240V/50Hz) Application

Model	Compressor Model	Displ. (cm3)	Power HP	Capacity(W)54.4□/ 130□ Condensing Temp.				COP W/W						
				-35□	-30□	-25□	-23.3□	-20□	-15□	-10□	-6.7□	-5□	0□	-23.3□
LUCT-M030H MAWQD30HHP	3.0	1/10	35	49	63	70	90	112	152	170	188	210	0.85	1.9
LUCT-M035H MAMQD35HHP	3.5	1/8	40	56	72	80	105	128	176	220	242	275	0.9	1.98
LUCT-M043H MAMQD43HHP	4.3	1/7	47	65	83	110	121	149	216	270	297	338	0.95	2.01
LUCT-M052H MAFQD52HHP	5.5	1/7	70	95	123	136	177	218	280	350	385	438	1.15	2.01
LUCT-M059H MAFQD59HHP	6.2	1/6	85	115	149	165	215	265	312	390	430	488	1.2	2
LUCT-M065H MAFQD65HHP	6.6	1/5	95	129	167	185	241	297	350	430	473	538	1.25	2.02
LUCT-M075H MAFQD75HHP	7.6	1/5+	105	147	190	210	273	337	387	495	545	618	1.25	2.1
LUCT-M091H MALQD91HHR	8.8	1/5+	115	160	207	245	300	368	425	530	583	655	1.37	2.12
LUCT-M110H MALQD110HHR	10.6	1/4+	135	189	243	295	370	456	520	650	715	813	1.41	2.12
LUCT-M120H MALQD120HHR	11.6	1/3	165	231	297	330	430	528	576	720	792	900	1.41	2.12
LUCT-M128H MAQQD128HHR	12.3	3/8	180	252	324	360	468	576	740	925	1018	1156	1.31	2
LUCT-M142H MAQQD142HHR	13.5	3/8+	195	273	351	390	507	624	800	1000	1100	1250	1.3	2
LUCT-M158H MAQQD158HHR	15.3	3/8+	215	300	387	430	560	690	890	1120	1230	1400	1.3	2
LUCT-M168H MAQQD168HHR	16.3	1/2	230	322	415	460	598	736	976	1220	1340	1530	1.3	2

### R134a M/HBP (220V-240V/50Hz) Application

Model	Compressor Model	Displ. (cm3)	Power HP	Capacity(W)54.4□/ 130□ Condensing Temp.				COPW/W						
				-20□	-15□	-10□	-6.7□	-5□	0□	5□	7.2□	10□	15□	-6.7□
LUCT-H030H HAMQD30HHP	3.0	1/8	90	120	150	190	210	225	273	300	345	420	1.90	2.18
LUCT-H035H HAMQD35HHP	3.5	1/7	105	140	175	220	245	263	318	350	403	490	1.98	2.31
LUCT-H043H HAMQD43HHP	4.3	1/6	130	172	215	270	300	323	391	430	495	600	2.01	2.36
LUCT-H052H HAFQD52HHP	4.9	1/6+	145	196	245	310	343	368	446	490	563	686	2.01	2.37
LUCT-H059H HAFQD59HHP	5.5	1/5	165	220	275	345	385	413	500	550	633	770	2.00	2.35
LUCT-H065H HAFQD65HHR	6.2	1/5+	190	252	315	390	441	473	573	630	725	882	2.05	2.41
LUCT-H075H HALQD75HHR	7.2	1/4	205	276	345	430	483	518	628	690	628	965	2.10	2.51
LUCT-H091H HALQD91HHR	8.8	1/4+	250	332	415	530	580	623	747	830	955	1160	2.12	2.51
LUCT-H110H HALQD110HHR	10.6	1/3+	305	411	515	650	720	771	935	1028	1182	1439	2.12	2.52
LUCT-H120H HALQD120HHR	11.6	3/8+	385	516	645	730	900	960	1170	1290	1480	1170	2.10	2.50
LUCT-H128H HAQQD128HHR	12.3	3/8+	395	528	660	830	924	990	1200	1320	1518	1848	2.02	2.36
LUCT-H142H HAQQD142HHR	13.6	1/2	440	586	733	920	1026	1099	1333	1465	1685	1978	2.02	2.37
LUCT-H158H HAQQD158HHR	15.3	1/2+	480	640	800	1008	1120	1200	1456	1600	1840	2160	2.02	2.37

### R404A M/HBP (220V-240V/50Hz) Application

Model	Compressor Model	Displ. (cm3)	Power HP	Capacity(W)54.4□/ 130□ Condensing Temp.				COPW/W						
				-20□	-15□	-10□	-6.7□	-5□	0□	5□	7.2□	10□	15□	-6.7□
LUCT-H030K HAMQD30KHYP	3.00	1/8	203	226	236	273	292	358	433	471	518	612	1.9	2.2
LUCT-H035K HAMQD35KHYP	3.50	1/6	236	264	275	319	341	418	506	550	604	714	1.95	2.25
LUCT-H043K HAFQD43KHYP	4.30	1/5	290	324	338	392	419	513	621	675	743	878	1.95	2.25
LUCT-H052K HAFQD52KHYP	4.90	1/5	331	369	385	446	477	585	708	769	846	1000	1.95	2.25
LUCT-H059K HALQD59KHM	5.50	1/5+	371	414	432	501	535	656	794	864	950	1123	2	2.3
LUCT-H065K HALQD65KHM	6.20	1/4	419	467	487	565	604	740	896	973	1071	1265	2	2.3
LUCT-H075K HALQD75KHM	7.20	1/4+	486	543	565	656	701	859	1040	1130	1243	1470	2	2.3
LUCT-H091K HAQQD91KHM	8.80	3/8	594	663	691	801	857	1050	1271	1382	1520	1796	1.9	2.2
LUCT-H110K HAQQD110KHM	10.60	3/8+	716	799	832	965	1032	1265	1531	1664	1831	2163	1.9	2.2
LUCT-H128K HATQD128KHM	12.12	9/16	745	831	866	1005	1074	1316	1593	1732	1905	2252	1.95	2.26
LUCT-H158K HATQD158KHM	14.50	5/8	914	1020	1063	1233	1318	1616	1956	2126	2339	2764	1.9	2.2
LUCT-H180K HATQD180KHM	17.40	3/4	1032	1152	1200	1392	1488	1824	2208	2400	2640	3120	1.9	2.17
LUCT-H210K HATQD210KHM	20.40	3/4	1245	1390	1448	1679	1795	2200	2663	2895	3185	3764	1.9	2.2

### R404A L/MBP (220V-240V/50Hz) Application

Model	Compressor Model	Displ. (cm3)	Power HP	Capacity(W)54.4□/ 130□ Condensing Temp.				COP W/W			
				-35□	-30□	-25□	-23.3□	-20□	-15□	-10□	-6.7□

LUCT-M030K MAMQD30KHY	3.00	1/8	96	107	147	162	193	243	300	324	356	389	1.25	1.75
LUCT-M035K MAMQD35KHY	3.50	1/6	112	125	172	189	225	284	350	378	416	454	1.25	1.75
LUCT-M043K MAFQD43KHY	4.30	1/5	134	150	207	228	271	342	422	456	501	547	1.3	1.8
LUCT-M052K MAFQD52KHY	4.90	1/5	153	171	236	260	309	390	480	519	571	623	1.3	1.8
LUCT-M059K MALQD59KHM	5.50	1/5+	178	200	275	303	360	454	560	605	666	726	1.35	2
LUCT-M065K MALQD65KHM	6.20	1/4	201	225	310	341	406	512	631	682	750	818	1.45	2
LUCT-M075K MALQD75KHM	7.20	1/4+	234	261	360	396	471	594	733	792	871	950	1.5	2.05
LUCT-M091K MAQD91KHM	8.80	3/8	275	308	424	466	555	700	863	933	1026	1119	1.45	2
LUCT-M110K MAQD110KHM	10.60	3/8+	331	371	511	562	669	843	1039	1124	1236	1348	1.45	2
LUCT-M128K MATQD128KHM	12.12	9/16	363	407	561	616	733	924	1140	1232	1355	1478	1.24	1.7
LUCT-M158K MATQD158KHM	14.50	5/8	346	387	533	586	697	879	1084	1172	1289	1406	1.28	1.72
LUCT-M168K MATQD168KHM	16.80	3/4	496	554	764	840	1000	1260	1554	1680	1848	2016	1.26	1.72
LUCT-M180K MATQD180KHM	17.40	3/4	466	521	718	789	939	1184	1460	1578	1736	1894	1.15	1.6
LUCT-M210K MATQD210KHM	20.40	3/4	537	601	828	910	1083	1365	1684	1820	2002	2184	1.34	1.8





# 中高背压商用系列制冷压缩机

M/HBP Commercial Series Compressor

## R134a制冷压缩机技术参数

Technical Data of QD Series R134a Refrigeration Compressor (220-240V/50Hz)

机型 Style	型号 Model	气缸 容积 Displ. (Cm3)	商业标称 Power HP	电机类型 Motor Type	冷却方式 Cooling	制冷量 Capacity(W)54.4℃/ 130°F Condensing Temp.								
						-20 ℃	-15 ℃	-10 ℃	-6.7 ℃	-5 ℃	0 ℃	5 ℃	7.2 ℃	10 ℃
DW	HAWQD30HHP	3.0	1/8	RSIR	S	90	120	150	190	210	225	273	300	340
	HAWQD35HHP	3.5	1/7	RSIR	S	105	140	175	220	245	263	318	350	400
DM	HAMQD43HHP	4.3	1/6	RSIR	S	130	172	215	270	300	323	391	430	490
DF	HAFQD52HHP	4.9	1/6+	RSIR	S	145	196	245	310	343	368	448	490	560
	HAFQD59HHP	5.5	1/5	RSIR	S	165	220	275	345	385	413	500	550	630
	HAFQD65HHR	6.2	1/5+	RSIR	S	190	252	315	390	441	473	573	630	720
	HAFQD75HHR	7.2	1/4	RSIR	S/F	200	270	340	420	475	505	600	660	760
DL	HALQD75HHR	7.2	1/4	RSIR	S/F	205	276	345	430	483	518	628	690	790
	HALQD91HHR	8.8	1/4+	RSIR	S/F	250	332	415	530	580	623	747	830	950
	HALQD110HHM	10.6	1/3+	CSIR	F	305	411	515	650	720	771	935	1028	1180
	HALQD120HHM	11.6	3/8+	CSIR	F	385	516	645	730	900	960	1170	1290	1480
DQ	HAQQD128HHM	12.3	3/8+	CSIR	F	395	528	660	830	924	990	1200	1320	1510
	HAQQD142HHM	13.6	1/2	CSIR	F	440	586	733	920	1026	1099	1333	1465	1680
	HAQQD158HHM	15.3	1/2+	CSIR	F	480	640	800	1008	1120	1200	1456	1600	1840
	*HAQQD168HHR	16.3	5/8	CSCR	F	510	680	850	1070	1190	1270	1540	1700	1950

## R134a制冷压缩机技术参数

Technical Data of QD Series R134a Refrigeration Compressor (208-230V/60Hz)





